

Attachment 5. Schedule

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Acronyms

AFY	acre-feet per year
AVA	American Viticulture Area
Basin Plan	Water Quality Control Plan for the Central Coastal Basin
BMP	Best Management Practices
CBSM	Community Based Social Marketing
CCWA	Central Coast Water Authority
CDPH	California Department of Public Health
CEQA	California Environmental Quality Act
cfs	cubic feet per second
CIP	Capital Improvement Projects
CN	Composite Runoff Curve Number
Conservation Districts	Coastal San Luis and Upper Salinas Las Tablas Resource Conservation Districts
County	San Luis Obispo County, County of San Luis Obispo
CSA 16	County Service Area No. 16
CSD	Community Services District
CWC	California Water Code
DACs	Disadvantaged Communities
Delta	California Bay-Delta
District	San Luis Obispo County Flood Control and Water Conservation District
DPHS	Department of Public Health and Safety
DWR	California Department of Water Resources
EIR	Environmental Impact Report
GIS	Geographic Information Systems
GPCD	gallons per capita per day
GPD	gallons per day
GPM	gallons per minute
GWMP	Groundwater Management Plan
IRWM	Integrated Regional Water Management
IRWMP	Integrated Regional Water Management Plan
IRWMP, IRWM Plan	San Luis Obispo County Integrated Regional Water Management Plan
LRM	Load Reduction Modeling
MGD	million gallons per day
MHI	median household income
MOU	Memorandum of Understanding
NPDES	National Pollutant Discharge Elimination System
NRCS	National Resource Conservation Service
Paso Basin	Paso Robles Groundwater Basin
ppm	parts per million
PRGBMP	Paso Robles Groundwater Basin Management Plan
Proposal, SLO Proposal	San Luis Obispo Regional Integrated Water Management Proposal

Acronyms, Continued

PVC	polyvinyl chloride
RCD	Resource Conservation District
Region	San Luis Obispo County IRWM Region
Regional Agency	San Luis Obispo County Flood Control and Water Conservation District
RMS	Resource Management Strategies
RWMG	Regional Water Management Group
RWQCB	Central Coast Regional Water Quality Control Board
SEP	Supplemental Environmental Project
SMCSD	San Miguel Community Services District
SSCSD	San Simeon Community Services District
STAC	Stakeholder and Technical Advisory Committee
SWP	State Water Project
SWP	Statewide Priorities (only in Attachment 9)
SWRCB	State Water Resources Control Board
TDS	Total Dissolved Solids
TMDL	Total Maximum Daily Loads
UCCE	U.C. Cooperative Extension
USFWS	U.S. Fish and Wildlife Service
WRAC	Water Resources Advisory Committee
WTP	Water Treatment Plant
WWTP	Wastewater Treatment Plant

Chapter 1. INTRODUCTION

Attachment 5 presents the schedule for the San Luis Obispo County Regional Integrated Water Management Proposal (Proposal), including six projects and one grant administration project. This attachment shows the sequence and timing of each project in the suite of projects, including the start and end dates. None of the projects depend on any of the other projects to be completed and so no links, dependencies, or predecessors are indicated between projects.

All six projects are considered high priority in terms of addressing the Region's critical water resources issues. The projects have been selected based upon meeting implementation requirements, achieving one or more IRWMP goals and objectives, helping to address critical needs, stakeholder consensus and two directly benefit disadvantaged communities. The six projects, along with the project necessary to administer this grant if awarded, are:

1. City of Paso Robles Nacimiento Water Treatment Plant
2. Attiyeh Ranch Conservation Easement
3. Livestock & Land Program
4. Shandon State Water Turnout
5. San Miguel Community Services District Critical Water System Improvements (DAC)
6. San Simeon Supplemental Water Feasibility Study and Design Project (DAC)
7. IRWM Implementation Grant Administration

Chapter 2. SUMMARY OF SUITE OF PROJECTS' READINESS TO PROCEED

Each project schedule is consistent with its respective Work Plan (Attachment 3) and Budget (Attachment 4) and assumes **October 1, 2013** as the grant award date. Each detailed project schedule shows the sequence and timing of the proposed tasks and subtasks as listed in its respective Work Plan (Attachment 3). The project schedules use Gantt chart format in Microsoft Project, allowing task predecessors and dependencies to be noted when warranted.

Successful implementation of the Proposal relies on the projects' readiness to proceed. The readiness to proceed is defined by the construction cycles during which a project is anticipated to begin. The leading project (or earliest) will drive the Proposal's readiness to proceed. Each of the project schedules is consistent and reasonable, with five of the seven projects demonstrating a readiness to begin construction within the first construction cycle (i.e. within six months after October 1, 2013). A summary of the construction or implementation start dates relative to the assumed grant award date is presented in **Table 2-1**, which depicts the construction cycle of the Proposal's earliest project.

- First construction cycle: Begins April 2014
- Second construction cycle: Begins April 2015
- Third construction cycle: Begins April 2016

This Proposal seeks to address San Simeon's (a disadvantaged community) critical water supply and quality need by conducting a supplemental water supply feasibility study and design project to increase its safe sustainable water supply. As noted in the table, the San Simeon Supplemental Water Feasibility Study and Design Project, uses the Request for Proposals as its start date noted for purposes of determining readiness to proceed.

Table 2-1. Summary of Project Construction Start Dates Relative to Grant Award Date

Project	Construction or Implementation Start Date	Construction Cycles (from assumed grant award date October 1, 2013)
Grant Award Date: October 1, 2013		
City of Paso Robles Nacimiento Water Treatment Plant	12/18/2013	First cycle
Attiyeh Ranch Conservation Easement	7/25/2014	Third cycle
Livestock & Land Program	11/1/2013	First cycle
Shandon State Water Turnout	2/10/2014	First cycle
San Miguel Critical Water System Improvements (DAC)	5/1/2014	Second cycle
San Simeon Supplemental Water Feasibility Study and Design Project (DAC) (<i>note: DAC feasibility and design project, start date noted as RFP release date</i>)	3/3/2014	First cycle
IRWM Implementation Grant Administration (<i>note: start date noted as estimated date of Grant Agreement execution</i>)	12/31/2013	First cycle

In order to understand the schedule for the grant administration of the suite of projects (e.g. quarterly reports, submittal of project performance monitoring reports, project completion reports, grant completion report, etc.), please refer to the section on Project 7. IRWM Implementation Grant Administration. Based upon the scheduling of the suite of projects, the Livestock & Land Program is estimated to be the last project completed and will therefore drive closeout of the Grant Agreement. The Grant Completion Report is estimated to be completed by **May 2017**, following 90 days after submittal of this project's completion report.

Project 1. City of Paso Robles Lake Nacimiento Water Treatment Plant

The City of Paso Robles currently relies on water from two sources: Salinas River underflow wells and groundwater from the deeper formation of the Paso Robles Groundwater Basin. Significant groundwater level declines in City wells and other basin wells have been occurring since the 1990's. San Luis Obispo County has designated the basin as a Level of Severity III, indicating the demand for water will equal or exceed its supply before supplemental supplies can be developed. The Lake Nacimiento Water Treatment Project will provide additional potable water for the City of Paso Robles, enabling the City to reduce groundwater pumping within the overdrafted Paso Robles Groundwater Basin.

Critical construction contracting milestones, as shown in the schedule, are:

Milestone	Date	Comments
Bid Advertise	October 2013	By City of Paso Robles
Bid Award	December 2013	By City of Paso Robles
Award of Construction Contract	December 2013	By City of Paso Robles
Notice to Proceed	December 2013	

Bidding and Construction activities will begin immediately following the grant award, award of the construction contract and the Notice to Proceed. Construction activities will begin with submittal and approval of project submittals, which may require significant lead time for manufacture and delivery. Site work will begin with mobilization and continue through to completion. There are no known environmental or permit timing constraints that would disrupt the construction schedule.

Critical construction dates, as shown in the schedule, are:

Milestone	Date	Comments
Building Permit	June 2013	By City of Paso Robles
Waterline Permit – UPRR	October 2013	By City of Paso Robles
Construction Submittals	December 2013 to August 2014	Material submittals, manufacture and delivery
Facility Construction	December 2013 to December 2014	
Construction Complete	December 2014	

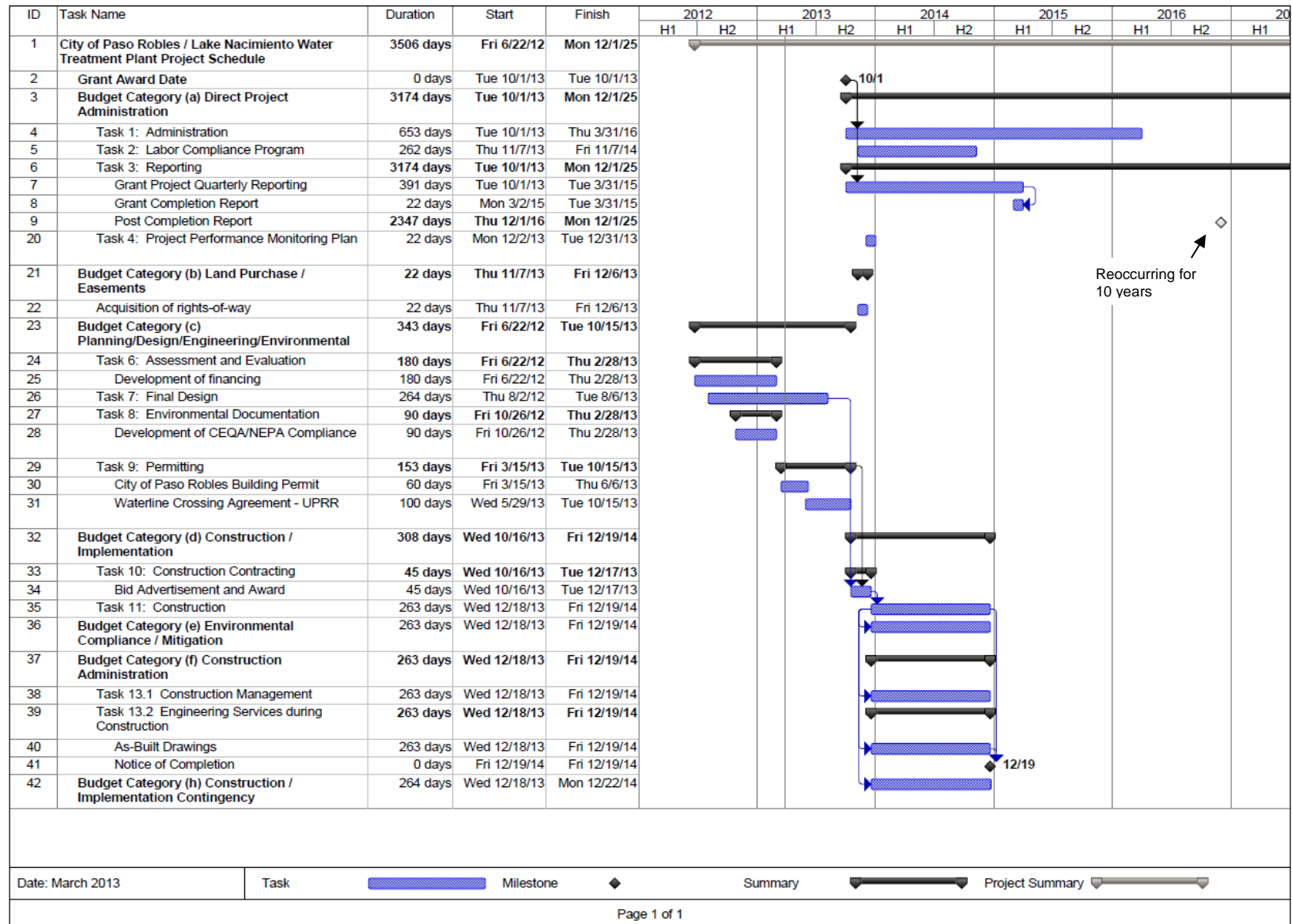
Several reports will be required during and following construction activities, including monthly construction management reports, quarterly grant reports, and final project reports. Critical reporting milestones, as shown in the schedule, are:

Milestone	Date	Comments
As-Built Record Drawings	December 2014	Records updated regularly during construction, final upon completion
Notice of Completion	December 2014	By City of Paso Robles
Grant Project Completion Report	March 2015	90 days after Notice of Completion by City of Paso Robles
Grant Project Post Completion Report	June 2015	90 Days after Grant Project Completion Report; Final Invoicing, etc.

Milestone	Date	Comments
Post Completion Report	December 2016	90 days after first operational year of project [and reoccurring for the first ten operational years of the project]

The detailed project schedule shows **October 1, 2013** as the assumed grant award date and **March 2016** as the estimated project completion date, which allows time for all final project reports, grant reports, and grant invoicing.

Project 1. City of Paso Robles Lake Nacimiento WTP Project Schedule



Project 2. Attiyeh Ranch Conservation Easement

Workplan tasks on this project will begin immediately following notification of the grant award, projected to be October 1, 2013. Award of this grant would allow The Land Conservancy of San Luis Obispo County to purchase a conservation easement in August 2014 to encumber the 8,305 acre Attiyeh Ranch. A detailed project schedule for the Attiyeh Ranch Conservation Easement project is included.

There are no construction contracts required for the Attiyeh Ranch conservation easement therefore there are no critical milestones for construction contracts scheduled.

Construction/implementation activities will begin in July, 2014 when the first commitment to finance the project is secured. Additional funding partners were identified and contacted to investigate levels of interest for partnership. Funding proposals will be developed until all the necessary funds to purchase the conservation easement for the Attiyeh Ranch are acquired, which is anticipated to be by June, 2014.

Construction/implementation activities begin with the Board Resolution to Accept the Conservation Easement and the Attiyeh Foundation Letter to Approve the Conservation Easement. All other construction/implementation activities are contingent on the acceptance and approval of the conservation easement language by both parties before the project can be finalized. In preparation for the recordation of the conservation easement, the title company will run a final title report to ensure no encumbrances exist on the property that conflict with the conservation easement. Once the conservation easement has been approved and clear title has been verified, money will be transferred to the escrow account. Both parties will sign two copies of the Baseline Conditions Report and the final conservation easement at the title company. Both parties will retain one Baseline Conditions Report for their records and the Escrow Officer will notarize the conservation easement and send it to the County of San Luis Obispo Assessor's Office for recordation. Critical construction/implementation dates, as shown in the schedule, are:

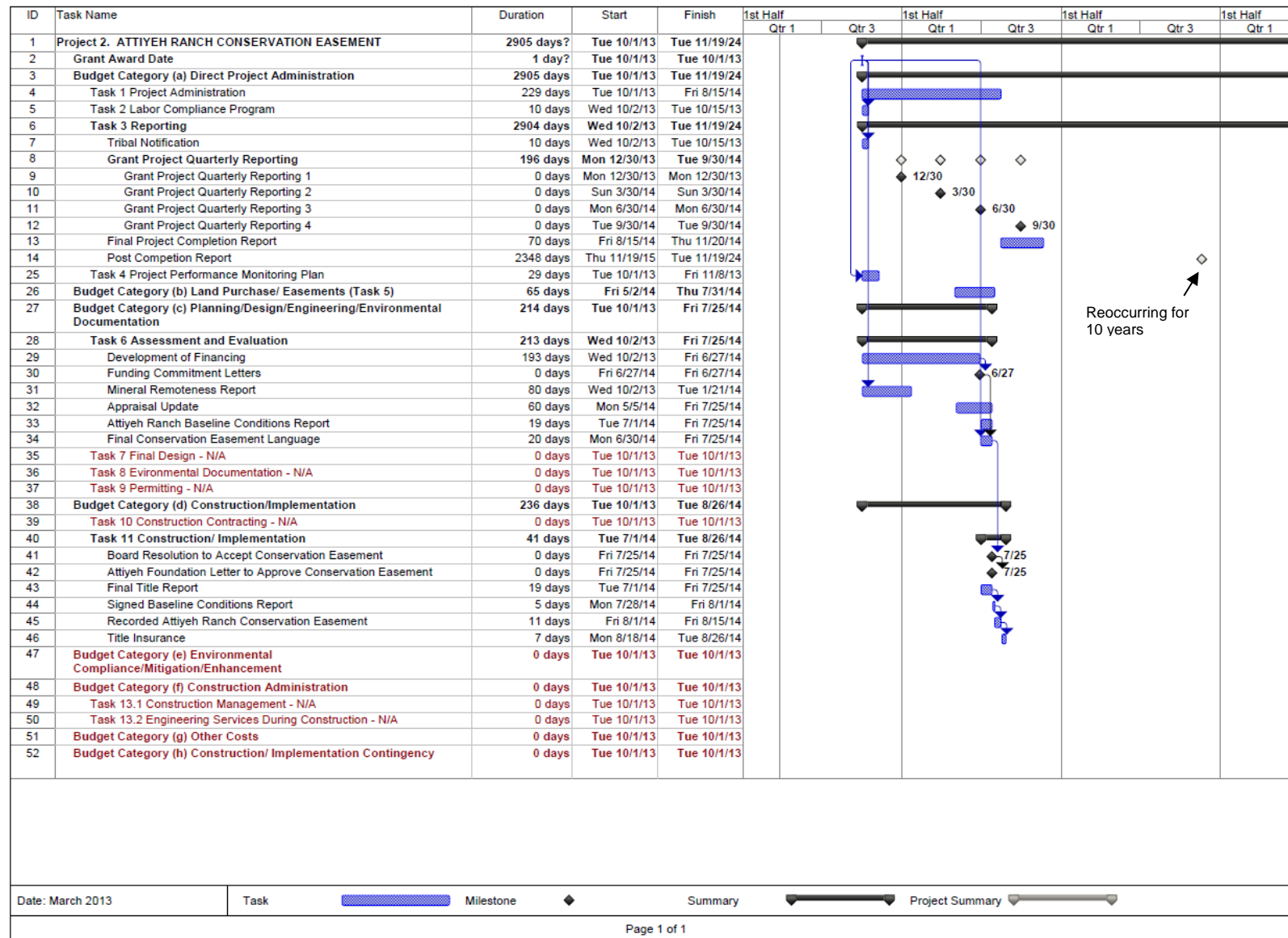
Milestone	Date	Comments
Development of Financing	10/2/13-6/27/14	Secure commitments to fund conservation easement acquisition through various State and Federal agencies, as well as non-profit organizations.
Board Resolution to Accept the Conservation Easement	7/25/14	Occurs at The Land Conservancy of San Luis Obispo County's Board of Trustee meeting prior to scheduled conservation easement recordation.
Attiyeh Foundation Letter to Approve Conservation Easement	7/25/14	Occurs simultaneously with Board Resolution described above.
Final Title Report	7/1/14-7/25/14	Due diligence before recording the conservation easement.
Signed Baseline Conditions Report	7/28/14-8/1/14	Both parties sign at title office.
Recorded Conservation Easement	8/1/14-8/15/14	Occurs approximately 1-2 weeks following document signing.
Title Insurance	8/26/14	Issued by the title company after the conservation easement is recorded.

Several reports will be required during and following construction/implementation activities, including monthly construction management reports, quarterly grant reports, and final project reports. Critical reporting milestones, as shown in the schedule, are:

Milestone	Date	Comments
Notice of Completion	8/15/14	
Final Project Completion Report	11/20/14	90 days after Notice of Completion
Post Completion Report	11/19/15	90 days after first operational year of project [and reoccurring for the first ten operational years of the project]
Annual Monitoring Report	8/1/15, continues annually in perpetuity	Occurs annually, in perpetuity, following the recordation of the conservation easement, to ensure terms of the easement are being upheld.

The detailed project schedule shows **October 1, 2013** as the assumed grant award date and **August 15, 2014** as the estimated project completion date, which allows time for all final project reports, grant reports, and grant invoicing.

Project Number 2. Attiyeh Ranch Conservation Easement Schedule



Project 3. Livestock and Land Program

The program will begin once grant funding has been awarded. The first year of the program will focus on education and training as well as developing the HOOFS Peer Leadership Program. The second and third year of the program will focus on implementation. Implementation sites will vary in scope as well as timing.

Activities will begin immediately following grant funding with the development of a Stakeholder and Technical Advisory Committee (STAC). Critical dates, as shown in the schedule, are:

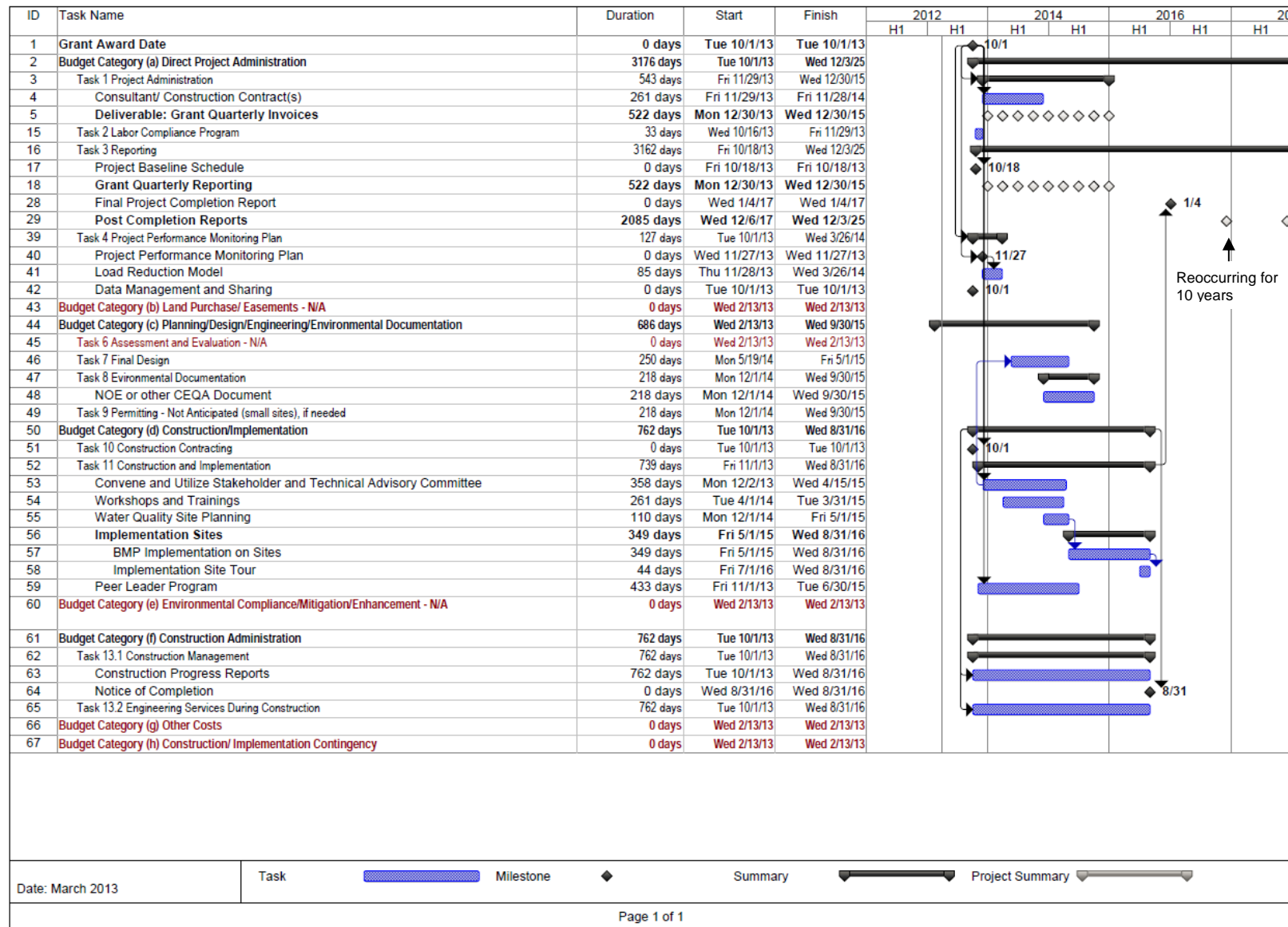
Milestone	Date	Comments
Convene and Utilize STAC	12/2/2013 – 4/15/2015	Assemble advisory committees in the first year.
Conduct Workshop and Training	4/1/2014 – 3/31/2015	To build support from ranchers and equestrians.
Develop Water Quality Plans	12/1/2014-5/1/2015	
Site Implementation Selection and Agreements	4/1/2014-5/1/2015	3-8 sites will be selected for implementation
CEQA Documentation	12/1/2014 – 9/30/2015	Within 60 days of project sites selection.
Permitting	12/1/2014 – 9/30/2015	Begin within 60 days of approved project sites. Not anticipated for small sites.
Implementation Sites	5/1/2015 – 8/31/2016	Implementation will begin after CEQA and permitting requirements have been completed
Peer Leader Program	11/1/2013 – 6/30/2015	Developed in the first year along with training and workshops

Several reports will be required during and following construction activities, including monthly construction management reports, quarterly grant reports, and final project reports. Critical reporting milestones, as shown in the schedule, are:

Milestone	Date	Comments
Project Performance Monitoring Plan	11/27/2013	Establish at start of program to set foundation for process
Quarterly Reports	Quarterly through duration of project implementation	Completed quarterly based on guidance from PPMP
Final Project Completion Report	1/4/2017	90 days after project completion
Post Completion Report	12/6/2017 and subsequent years for total of 10 operational years	90 days after first operational year of project [and reoccurring for the first ten operational years of the project]

The detailed project schedule shows **October 1, 2013** as the assumed grant award date and **August 31, 2016** as the estimated project completion date, which allows time for all final project reports, grant reports, and grant invoicing.

Project 3. Livestock and Land Program Schedule



Project 4. Shandon (CSA 16) State Water Turnout Project

The Shandon State Water Turnout Project was initiated by the Shandon Advisory Council and the County Board of Supervisors in 2011 and a decision was made to allocate funding for project implementation from CSA 16's reserves beginning on July 1, 2011. Project development through final design will be completed prior to the grant award date of October 1, 2013. If the grant is awarded, the project will advance through construction contracting and construction implementation, which is anticipated to be complete in August 2014. A detailed project schedule for the project is included.

Critical construction contracting milestones, as shown in the schedule, are:

Milestone	Date	Comments
Bid Advertisement	December 2013	By Central Coast Water Authority (CCWA)
Bid Opening	January 2014	By CCWA
Award of Construction Contract	January 2014	By CCWA
Notice to Proceed with Construction	February 2014	

Construction activities will begin immediately following the Notice to Proceed. Construction activities will begin with submittal and approval of project materials, which will require some lead time to acquire once submittals are approved. Site work will begin after submittals are approved and will continue to completion. There are no environmental or other permitting timing constraints that would disrupt the construction schedule. Critical construction dates, as shown in the schedule, are:

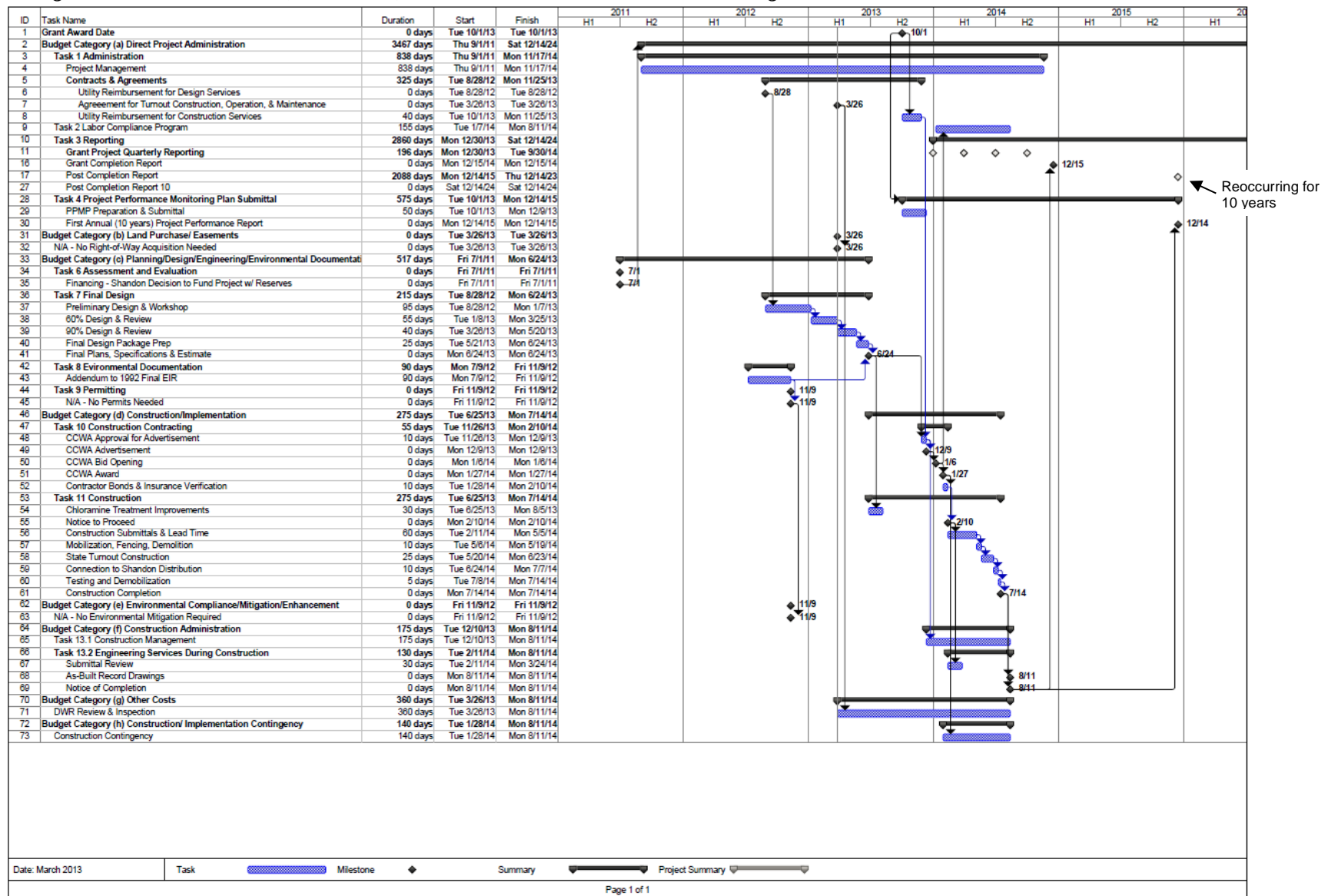
Milestone	Date	Comments
Construction Submittals	February 2014 – May 2014	Materials submittals and materials acquisition
Turnout Facility Construction	May 2014 – July 2014	Construct turnout and connections to State and CSA 16 pipelines
Construction Completion	July 2014	

Several reports will be required during and following construction activities, including monthly construction management reports, quarterly grant reports, and final project reports. Critical reporting milestones, as shown in the schedule, are:

Milestone	Date	Comments
As-Built Record Drawings	August 11, 2014	Records updated regularly during construction, final approximately one month after completion
Notice of Completion	August 11, 2014	One month after completion by Board of Supervisors
Grant Project Completion Report	December 15, 2014	90 days after Notice of Completion
Grant Project Post Completion Report	April 20, 2015	90 days after Project Completion Report – final invoicing, etc.
Post Completion Report	December 14, 2015	90 days after first operational year of project [and reoccurring for the first ten operational years of the project]

The detailed project schedule shows **October 1, 2013** as the assumed grant award date and **March 23, 2015** as the estimated project completion date, which allows time for all final project reports, grant reports, and grant invoicing (excluding Project Performance Reporting).

Project 4. Shandon (CSA 16) State Water Turnout Project Schedule



Project 5. San Miguel Community Services District Critical Water System Improvements

The San Miguel CSD Critical Water System Improvements Project consists of six subprojects. Of these six subprojects, there are two projects that lend themselves well to be bid at the same time as a single project, that being the Well 3 Upgrades, and the Wells 3 and 4 Generator Project. The other projects will move forward independently of one another; however, their schedules and timing may overlap one another.

WELL 3 UPGRADES AND EMERGENCY BACKUP POWER FOR WELLS 3 AND 4

Critical construction contracting milestones, as shown in the schedule, are:

Milestone	Date	Comments
Bid Advertisement	05/14	Consistent with State statute
Pre-Bid Meeting	05/14	Between prospective bidders and SMCSD/District Engineer (DE)
Bid Review and Recommendation	06/14	By SMCSD/District Engineer
Recommend Bid Award (Board Meeting)	07/14	At SMCSD board meeting
Contractor Notice to Proceed	08/14	Issued by SMCSD

Construction activities will begin immediately following award of the construction contract and issuance of a notice to proceed. Construction activities will begin with mobilization, site work and demolition and construction is expected to last five months. Critical construction dates, as shown in the schedule, are:

Milestone	Date	Comments
Mobilization	08/14 – 08/14	Movement of personnel, equipment, supplies and incidentals to the project site
Pre-Construction Meeting	08/14	Contractor, SMCSD representatives, and other parties having interest in the project
Site Work and Demolition	09/14 – 09/14	Preparation of project site, demolish Well 3 building

Milestone	Date	Comments
Building Erection, Yard Piping	09/14 – 09/14	New Well 3 building, yard piping construction
SCAQMD Permit	08/14 – 10/14	SMCSD to secure SCAQMD permit for Wells 3 and 4 generators
Electrical/Generator Installation	10/14 – 10/14	Prepare Well Sites 3 and 4 for new generator, electrical work
Pump to Waste Tie-In	11/14 – 11/14	Construct tie-in from Well 3 discharge piping to storm manhole or sewer manhole, process control valve (Cla-Valve)
Startup and Testing	11/14 – 11/14	Startup and testing of Wells 3 and 4 generators, new equipment for Well 3 including electrical, pump-to-waste piping/valves, chemical feed system for disinfection
Punchlist	12/14 – 12/14	Identification and completion of final outstanding items

Several reports will be required during and following construction activities, including monthly construction management reports, quarterly grant reports, and final project reports. Critical reporting milestones, as shown in the schedule, are:

Milestone	Date	Comments
Quarterly Grant Reporting	01/14	Consistent with State grant guidelines
Quarterly Grant Reporting	04/14	Consistent with State grant guidelines
Quarterly Grant Reporting	07/14	Consistent with State grant guidelines
Quarterly Grant Reporting	10/14	Consistent with State grant guidelines
File Notice of Completion	12/14	Consistent with SMCSD policies
Quarterly Grant Reporting	01/15	Consistent with State grant guidelines
As-Built Drawings	01/15	Drawings that represent the actual built project
Project Complete	01/15	All items of the project completed
Grant Project Completion Report	03/15	90 days after Notice of Completion
Post Completion Report	03/16	90 days after first operational year of project [and reoccurring for the first ten operational years of the project]

The detailed project schedule shows **October 1, 2013** as the assumed grant award date and **March 1, 2015** as the estimated project completion date, which allows time for all final project reports, grant reports, and grant invoicing.

FIRE HYDRANT AND WHARFHEAD REPLACEMENTS

Critical construction contracting milestones, as shown in the schedule, are:

Milestone	Date	Comments
Bid Advertisement	02/14	Consistent with State statute
Pre-Bid Meeting	None Required	-
Bid Review and Recommendation	03/14	Review for responsible and responsive by DE
Recommend Bid Award (Board Meeting)	04/14	At SMCSO board meeting
Contractor Notice to Proceed	05/14	Issued by SMCSO

Construction activities will begin immediately following award of the construction contract and issuance of a notice to proceed. Construction activities will begin with mobilization, site work and demolition and construction is expected to last two months. Critical construction dates, as shown in the schedule, are:

Milestone	Date	Comments
Mobilization	05/14 - 05/14	Movement of personnel, equipment, supplies and incidentals to the project site
Pre-Construction Meeting	05/14	SMCSO representatives, and other parties having interest in the project
County of SLO Encroachment Permit	05/14 - 05/14	Contractor to secure Encroachment Permit prior to work in County right of way.
Site Work and Demolition	05/14 - 05/14	Preparation of project site
Install Hydrants	06/14 – 06/14	Install fire hydrants, with assistance from SMCSO staff for tie-ins and water system shutdowns as required.
Pavement Restoration	06/14 – 06/14	Sawcut, remove and restore AC pavement disturbed during construction, per SLO County encroachment permit requirements.
Startup and Testing	06/14 – 06/14	Field verify operation of new fire hydrants prior to acceptance of Work.
Punchlist	06/14 – 06/14	Identification and completion of final outstanding items

Several reports will be required during and following construction activities, including monthly construction management reports, quarterly grant reports, and final project reports. Critical reporting milestones, as shown in the schedule, are:

Milestone	Date	Comments
Quarterly Grant Reporting	01/14	Consistent with State grant guidelines
Quarterly Grant Reporting	04/14	Consistent with State grant guidelines
File Notice of Completion	06/14	Consistent with SMCSO policies
Quarterly Grant Reporting	07/14	Consistent with State grant guidelines
Update Water Atlas Maps	07/14	Maps updated regularly during construction, final upon completion
Project Complete	07/14	All items of the project completed
Grant Project Completion Report	09/14	90 days after Notice of Completion
Post Completion Report	09/15	90 days after first operational year of project [and reoccurring for the

Milestone	Date	Comments
		first ten operational years of the project]

The detailed project schedule shows **October 1, 2013** as the assumed grant award date and **September 1, 2014** as the estimated project completion date, which allows time for all final project reports, grant reports, and grant invoicing.

NEW WATER WELL SITING STUDY

Critical construction contracting milestones, as shown in the schedule, are:

Milestone	Date	Comments
Bid Advertisement	03/14	Bid period for well drillers to bid on pilot hole drilling and sampling. Hydrogeologic consultant (to monitor/direct study) to be retained by District Engineer based on qualifications.
Pre-Bid Meeting	None Required	-
Bid Review and Recommendation	04/14	Review for responsible and responsive by DE and hydrogeologist consultant
Recommend Bid Award (Board Meeting)	05/14	At SMCSO board meeting
Contractor Notice to Proceed	06/14	Issued by SMCSO

Construction activities will begin immediately following award of the construction contract and issuance of a notice to proceed. Construction activities will begin with mobilization and well drilling, and construction is expected to last two months. Critical construction dates, as shown in the schedule, are:

Milestone	Date	Comments
Mobilization	06/14 – 06/14	Movement of personnel, equipment, supplies and incidentals to the project site
Pre-Construction Meeting (w/well driller)	06/14	Contractor (well driller), SMCSO representatives, DE and hydrogeologic consultant
Site Access/Drill Well	06/14 – 06/14	Coordinate with private property owners for right of entry (secured during design phase), construct access, mobilize well driller and drill test wells.
Field Pump and Water Quality Testing	06/14 – 06/14	Perform field hydrogeologic testing and water quality sampling (take samples and send to State certified laboratory)
Startup and Testing	N/A	-
Final Study Report by Hydrogeologist	07/14 – 07/14	Determine viability of well sites studied, for future municipal well for SMCSO.

Several reports will be required during and following construction activities, including monthly construction management reports, quarterly grant reports, and final project reports. Critical reporting milestones, as shown in the schedule, are:

Milestone	Date	Comments
Quarterly Grant Reporting	01/14	Consistent with State grant guidelines
Quarterly Grant Reporting	04/14	Consistent with State grant guidelines
Quarterly Grant Reporting	07/14	Consistent with State grant guidelines

Milestone	Date	Comments
File Notice of Completion	N/A	-
Complete Hydrogeologic Report and Recommendations	07/14	Preparation and completion of final report
Project Complete	07/14	All items of the project completed
Grant Project Completion Report	10/14	90 days after Notice of Completion
Post Completion Report	10/15	90 days after first operational year of project [and reoccurring for the first ten operational years of the project]

The detailed project schedule shows **October 1, 2013** as the assumed grant award date and **October 1, 2014** as the estimated project completion date, which allows time for all final project reports, grant reports, and grant invoicing.

12TH AND K STREET WATER MAIN UPGRADES

Critical construction contracting milestones, as shown in the schedule, are:

Milestone	Date	Comments
Bid Advertisement	03/14	Consistent with State statute
Pre-Bid Meeting	None Required	-
Bid Review and Recommendation	04/14	Review for responsible and responsive by DE
Recommend Bid Award (Board Meeting)	05/14	At SMCSO board meeting
Contractor Notice to Proceed	06/14	Issued by SMCSO

Construction activities will begin immediately following award of the construction contract and issuance of a notice to proceed. Construction activities will begin with mobilization and pipe installation, and construction is expected to last four months. Critical construction dates, as shown in the schedule, are:

Milestone	Date	Comments
Mobilization	06/14 – 06/14	Movement of personnel, equipment, supplies and incidentals to the project site
Pre-Construction Meeting	06/14 – 06/14	Contractor, SMCSO representatives, and other parties having interest in the project
SLO County Encroachment Permit	06/14 – 06/14	Contractor to secure SLO County encroachment permit prior to construction in right of way
Pipe Installation	06/14 – 08/14	Furnish and install new 8” piping, valves, tie-in, and all work required for pipe installation.
Disinfect, Pressure Testing	08/14 – 08/14	Prior to acceptance, pressure test new pipeline segments, and adequately disinfect new water pipelines prior to placing into service for public water supply
Punchlist	09/14 – 09/14	Identification and completion of final outstanding items

Several reports will be required during and following construction activities, including monthly construction management reports, quarterly grant reports, and final project reports. Critical reporting milestones, as shown in the schedule, are:

Milestone	Date	Comments
Quarterly Grant Reporting	01/14	Consistent with State grant guidelines
Quarterly Grant Reporting	04/14	Consistent with State grant guidelines
Quarterly Grant Reporting	07/14	Consistent with State grant guidelines
File Notice of Completion	09/14	Consistent with SMCSO policies
Quarterly Grant Reporting	10/14	Consistent with State grant guidelines
As-Built Drawings/Update Atlas Maps	10/14	Records updated regularly during construction, final upon completion
Project Complete	10/14	All items of the project completed
Grant Project Completion Report	12/14	90 days after Notice of Completion
Post Completion Report	12/15	90 days after first operational year of project [and reoccurring for the first ten operational years of the project]

The detailed project schedule shows **October 1, 2013** as the assumed grant award date and **December 1, 2014** as the estimated project completion date, which allows time for all final project reports, grant reports, and grant invoicing.

SAN LAWRENCE WATER STORAGE TANK

Critical construction contracting milestones, as shown in the schedule, are:

Milestone	Date	Comments
Bid Advertisement	07/14	Consistent with State statute
Pre-Bid Meeting	07/14	Between prospective bidders and SMCSO/District Engineer (DE)
Bid Review and Recommendation	08/14	Review for responsible and responsive by DE
Recommend Bid Award (Board Meeting)	09/14	At SMCSO board meeting
Contractor Notice to Proceed	10/14	Issued by SMCSO

Construction activities will begin immediately following award of the construction contract and issuance of a notice to proceed. Construction activities will begin with mobilization, site work and yard piping, and construction is expected to last six months. Critical construction dates, as shown in the schedule, are:

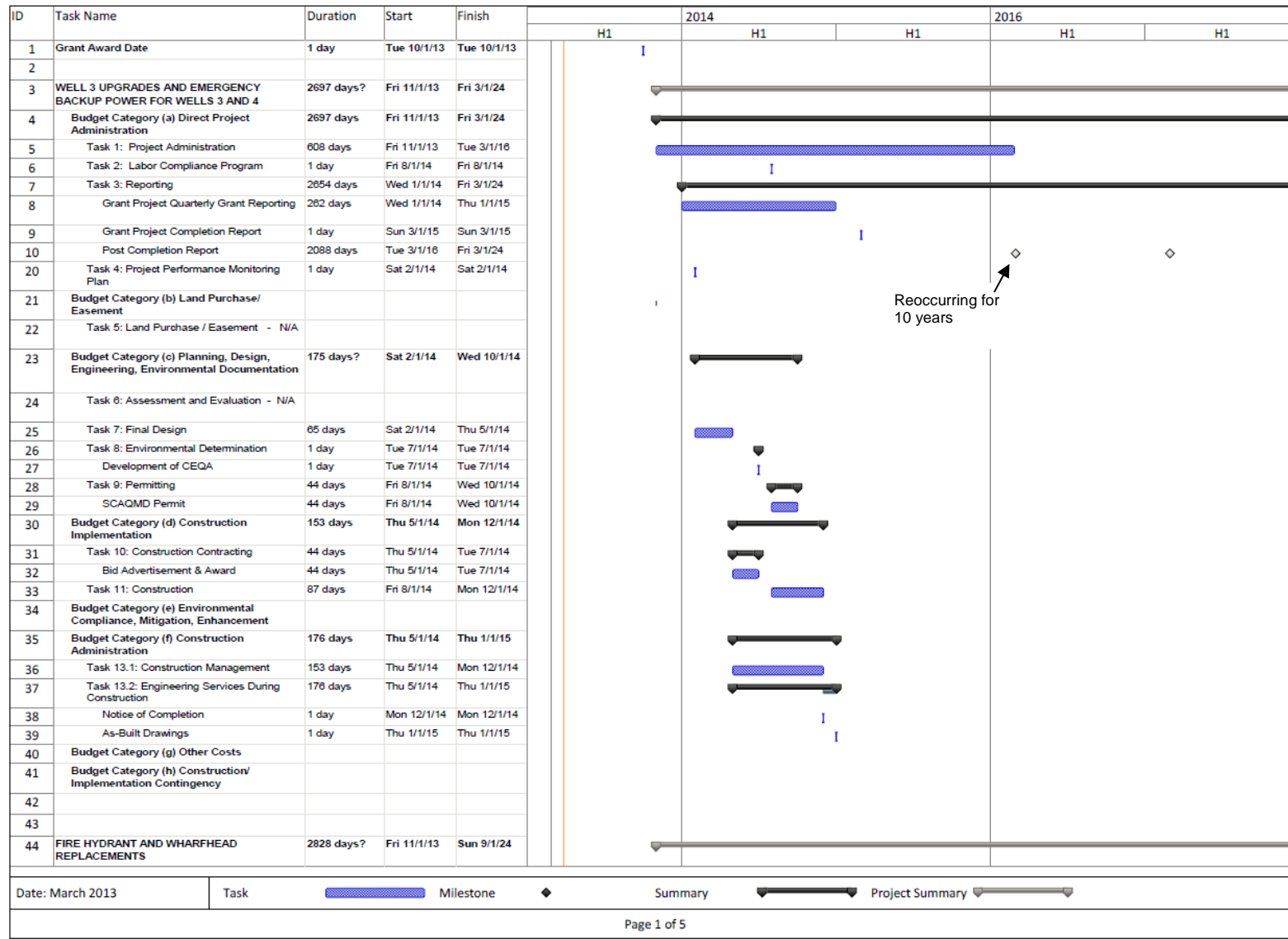
Milestone	Date	Comments
Mobilization	10/14 – 10/14	Movement of personnel, equipment, supplies and incidentals to the project site
Pre-Construction Meeting	10/14	Contractor, SMCSD representatives, and other parties having interest in the project
Site Work/Yard Piping	10/14 – 10/14	Prepare site to receive new tank, demolish and remove old tank.
Tank Pad	11/14 – 11/14	Site preparation, clearing and grubbing, excavation, compaction for tank pad.
Tank Erection	12/14 – 12/14	Erect new welded steel tank and appurtenances.
Tank Coating	12/14 – 12/14	Interior and exterior coating systems to be applied.
Leak Test/Disinfection	02/15 – 02/15	Fill new tank, leak test and disinfect tank prior to placing in service.
Startup/Test Cathodic Protection System	03/15 – 03/15	Test the cathodic protection system per specifications to ensure proper operation.
Punchlist	03/15 – 03/15	Identification and completion of final outstanding items

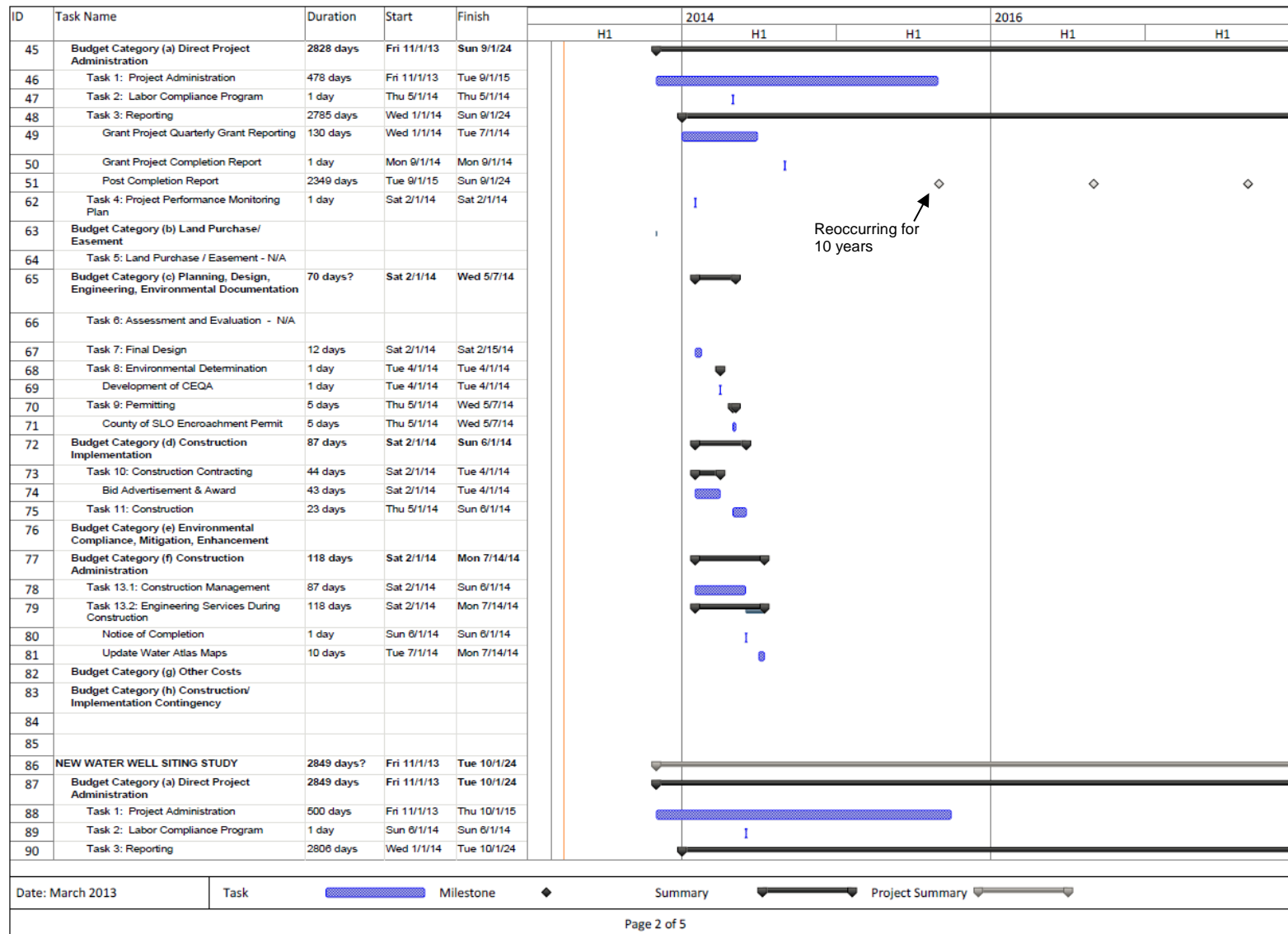
Several reports will be required during and following construction activities, including monthly construction management reports, quarterly grant reports, and final project reports. Critical reporting milestones, as shown in the schedule, are:

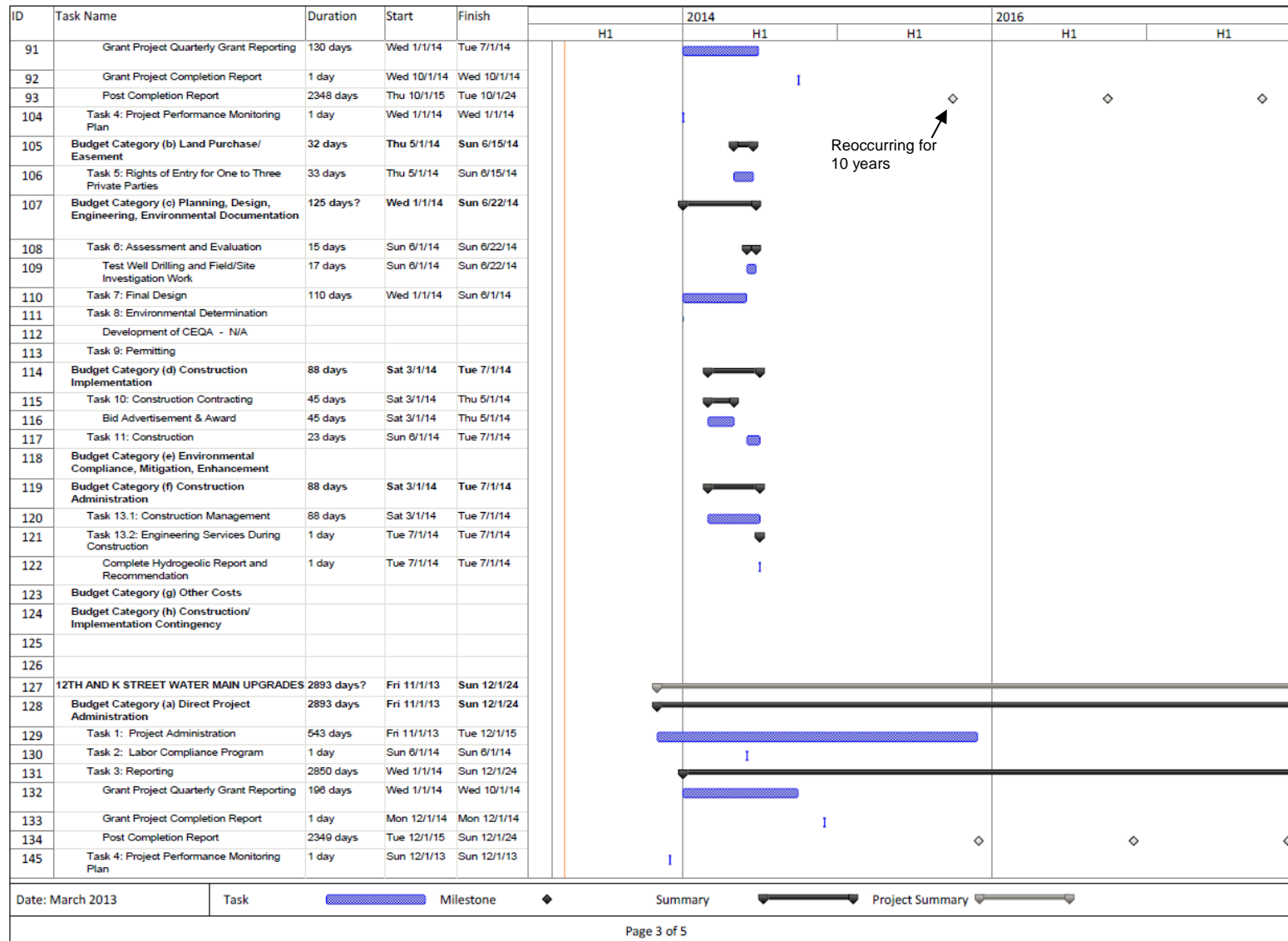
Milestone	Date	Comments
Quarterly Grant Reporting	01/14	Consistent with State grant guidelines
Quarterly Grant Reporting	04/14	Consistent with State grant guidelines
Quarterly Grant Reporting	07/14	Consistent with State grant guidelines
Quarterly Grant Reporting	10/14	Consistent with State grant guidelines
Quarterly Grant Reporting	01/15	Consistent with State grant guidelines
File Notice of Completion	03/15	Consistent with SMCSD policies
Quarterly Grant Reporting	04/15	Consistent with State grant guidelines
As-Built Drawings/Update Atlas Maps	04/15	Records updated regularly during construction, final upon completion
Project Complete	04/15	All items of the project completed
Grant Project Completion Report	06/15	90 days after Notice of Completion
Post Completion Report	06/16	90 days after first operational year of project [and reoccurring for the first ten operational years of the project]

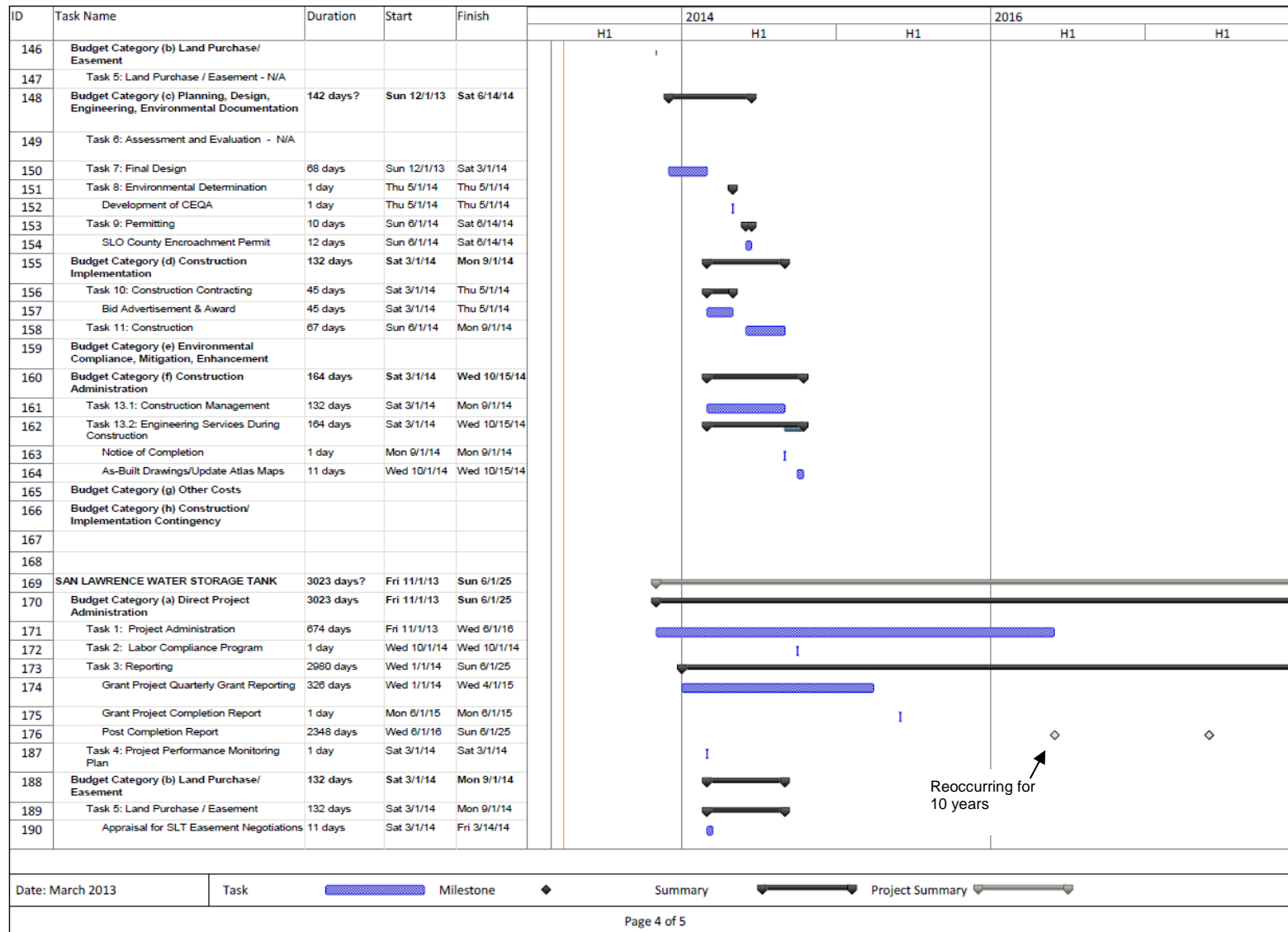
The detailed project schedule shows **October 1, 2013** as the assumed grant award date and **June 1, 2015** as the estimated project completion date, which allows time for all final project reports, grant reports, and grant invoicing.

Project Number 5. San Miguel Community Services District Critical Water System Improvements Project Schedule









ID	Task Name	Duration	Start	Finish	2014		2016	
					H1	H1	H1	H1
191	SLT Permanent Easement and/or Fee Title	67 days	Sun 6/1/14	Mon 9/1/14				
192	Budget Category (c) Planning, Design, Engineering, Environmental Documentation	110 days?	Tue 4/1/14	Mon 9/1/14				
193	Task 6: Assessment and Evaluation - N/A							
194	Task 7: Final Design	66 days	Tue 4/1/14	Tue 7/1/14				
195	Task 8: Environmental Determination	45 days	Tue 7/1/14	Mon 9/1/14				
196	Development of CEQA	45 days	Tue 7/1/14	Mon 9/1/14				
197	Task 9: Permitting - N/A							
198	Budget Category (d) Construction Implementation	174 days	Tue 7/1/14	Sun 3/1/15				
199	Task 10: Construction Contracting	45 days	Tue 7/1/14	Mon 9/1/14				
200	Bid Advertisement & Award	45 days	Tue 7/1/14	Mon 9/1/14				
201	Task 11: Construction	109 days	Wed 10/1/14	Sun 3/1/15				
202	Budget Category (e) Environmental Compliance, Mitigation, Enhancement							
203	Budget Category (f) Construction Administration	197 days	Tue 7/1/14	Wed 4/1/15				
204	Task 13.1: Construction Management	175 days	Tue 7/1/14	Sun 3/1/15				
205	Task 13.2: Engineering Services During Construction	23 days	Sun 3/1/15	Wed 4/1/15				
206	Notice of Completion	0 days	Sun 3/1/15	Sun 3/1/15				
207	As-Built Drawings/Update Atlas Maps	1 day	Wed 4/1/15	Wed 4/1/15				
208	Budget Category (g) Other Costs							
209	Budget Category (h) Construction/Implementation Contingency							

Date: March 2013

Task

Milestone

Summary

Project Summary

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Project Number 6. San Simeon Supplemental Water Supply Feasibility Study and Design Project

The San Simeon Supplemental Water Supply Feasibility Study and Design Project consist of 13 tasks that will culminate into a shovel-ready water supply project. Tasks include investigations to determine the extent of the need for additional water supply, the existing and potential capability of water sources and the environment, the financial and temporal feasibility of the recommended project. Final activities will consist of tasks that develop all the necessary initial design reports and initial permitting. Continuous tasks involve Grant and project management and accounting, project meetings, developing reports and meeting minutes, and performing quality checks:

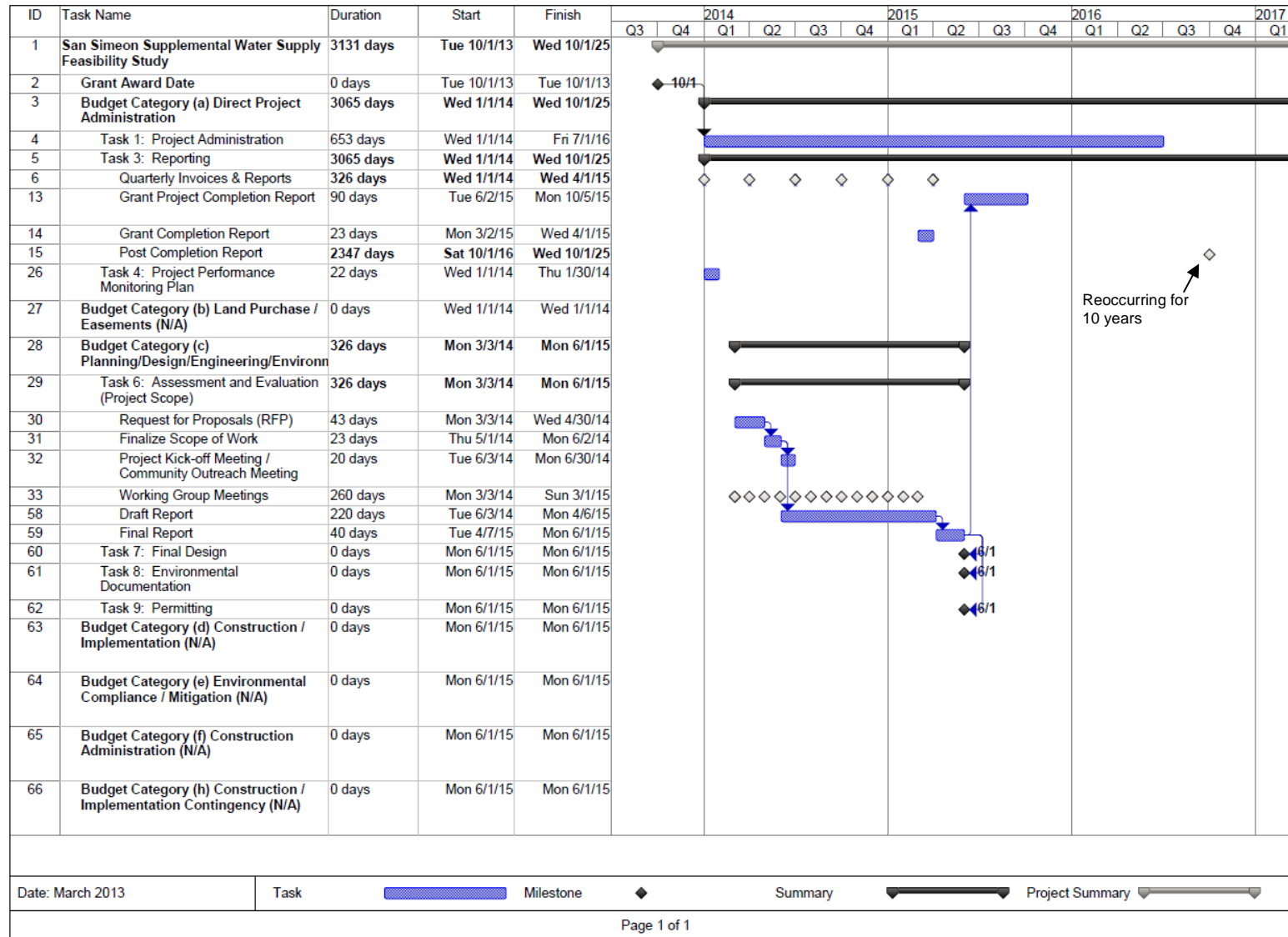
Task	Date	Comments
Grant Award	October 1, 2013	
Develop Water Supply Alternatives	August 2014	
Recommendations and Implementation Plan	October 2014	Selection and ranking of alternatives, capital improvement program implementation and phasing
Completion of Feasibility Study	November 2014	Public outreach, adoption by SSCSD Board of Directors
Design Report	June 2015	Includes permitting
Project Implementation Proposal	June 2015	Technical justification, work plan, schedule, and budget

Several reports will be required during and following planning activities, including quarterly grant reports, and final project report. Critical reporting milestones, as shown in the schedule, are:

Milestone	Date	Comments
Notice of Completion	June 2015	N/A - coincides with completion of design
Quarterly Reporting	Quarterly	
Grant Project Completion Report	October 2015	90 days after Notice of Completion
Post Completion Report	October 2016	90 days after first operational year of project [and reoccurring for the first ten operational years of the project]

The detailed project schedule shows **October 1, 2013** as the assumed grant award date and **August 3, 2015** as the estimated project completion date. Which allows time for all final project reports, grant reports, and grant invoicing (including Project Performance Reporting).

Project Number 6. San Simeon Supplemental Water Feasibility Study and Design Project Schedule



Project Number 7. IRWM Implementation Grant Administration

This project began immediately upon notification of proposed grant award, October 1, 2013. Grant administration will continue throughout the implementation of the six other projects in this proposal and through the final submittal of all grant reports and invoices as required by the grant agreement. The estimated end date of grant administration and the IRWM grant is May 9, 2017, marked by the submittal of the IRWM Grant Project Completion Report, which allows time for all final project reports, grant reports, and grant invoicing. The Grant Completion Report will be submitted 90 days after the submittal of the last Project Completion Report. A summary of the project milestones is as follows:

Milestone	Date	Comments
Grant Effective Date	10/1/13	
Grant Project Completion Reports		
Project 1 Lake Nacimiento Water Treatment Plant	3/31/15	90 days after project completion
Project 2 Attiyeh Ranch Conservation Easement	11/20/14	90 days after project completion
Project 3 Livestock and Land Program	1/4/17	90 days after project completion
Project 4 Shandon State Water Turnout	12/15/14	90 days after project completion
Project 5 San Miguel Community Services Critical Water System Improvements	6/1/2015	90 days after project completion
Project 6 San Simeon Supplemental Water Feasibility Study and Design Project	10/5/15	90 days after project completion
IRWM Grant Completion Report	5/9/17	90 days after Livestock and Land Program project completion report submitted

The detailed project schedule shows **October 1, 2013** as the assumed grant award date, and the estimated end date of grant administration and the IRWM grant is May 9, 2017, marked by the submittal of the IRWM Grant Project Completion Report.

Project Number 7. IRWM Implementation Grant Administration Schedule

